

## Freeform Search

---

**Database:**

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

**Term:**



**Display:**  Documents in **Display Format:**  Starting with Number **Generate:**  Hit List  Hit Count  Side by Side  Image

---

---

### Search History

---

**DATE:** Thursday, January 06, 2005 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u>
side by side		result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L32</u> L31 and (database or data with base) near (id or identifi\$)	33	<u>L32</u>
<u>L31</u> L30 and template	153	<u>L31</u>
<u>L30</u> L28 and field	504	<u>L30</u>
<u>L29</u> L28 amd field	3553385	<u>L29</u>
<u>L28</u> L27 and key near3 definition	554	<u>L28</u>
<u>L27</u> L26 amd key near3 value	48128	<u>L27</u>
<u>L26</u> (financial near service near organiz\$ or "fso" or financial with service with organization)	2386	<u>L26</u>
<u>L25</u> L24 and break with key	29	<u>L25</u>
<u>L24</u> L23 and configur\$	654	<u>L24</u>
<u>L23</u> key near definition	1076	<u>L23</u>
<u>L22</u> break near key near definition	0	<u>L22</u>
<u>L21</u> (multilevel or multi-level) near business near organization	6	<u>L21</u>
<u>L20</u> L18 and (multilevel or multi-level) near business near (organization or company or corporation)	0	<u>L20</u>

<u>L19</u>	L18 and (multilevel or multi-level) near business near organization	0	<u>L19</u>
<u>L18</u>	L17 and ("fso" or financial near service near organization or financial and service and organization)	455	<u>L18</u>
<u>L17</u>	L16 and process\$	2515	<u>L17</u>
<u>L16</u>	L15 and display\$	2669	<u>L16</u>
<u>L15</u>	relationship near objects	4077	<u>L15</u>
<u>L14</u>	711/217	679	<u>L14</u>
<u>L13</u>	711/216	441	<u>L13</u>
<u>L12</u>	711.clas.	23913	<u>L12</u>
<u>L11</u>	715/533	309	<u>L11</u>
<u>L10</u>	715/513	2083	<u>L10</u>
<u>L9</u>	715.clas.	20176	<u>L9</u>
<u>L8</u>	707/103r	1654	<u>L8</u>
<u>L7</u>	707/100	5637	<u>L7</u>
<u>L6</u>	707.clas.	24416	<u>L6</u>
<u>L5</u>	705/44	955	<u>L5</u>
<u>L4</u>	705/35	2271	<u>L4</u>
<u>L3</u>	705/5	903	<u>L3</u>
<u>L2</u>	705/1	5548	<u>L2</u>
<u>L1</u>	705.clas.	31152	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#) [Next Doc](#) [Go to Doc#](#) [Generate Collection](#) [Print](#)

L32: Entry 8 of 33

File: USPT

Sep 2, 2003

US-PAT-NO: 6615253

DOCUMENT-IDENTIFIER: US 6615253 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Efficient server side data retrieval for execution of client side applications

DATE-ISSUED: September 2, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 387430 [PALM]

DATE FILED: August 31, 1999

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to United States Patent Applications entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK U.S. patent application Ser. No. 09/387,747, filed Aug. 31, 1999 and A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK U.S. patent application Ser. No. 09/387,318, both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

INT-CL: [07] G06 F 15/16, G06 F 12/00, G06 F 17/00

US-CL-ISSUED: 709/219; 711/118, 707/100

US-CL-CURRENT: 709/219; 707/100, 711/118

FIELD-OF-SEARCH: 709/217, 709/218, 709/219, 709/203, 709/234, 709/231, 709/232, 707/100, 711/118

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

 [Search Selected](#) [Search ALL](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5047918</u>	September 1991	Schwartz et al.	707/203

<input type="checkbox"/>	<u>5133075</u>	July 1992	Risch	707/201
<input type="checkbox"/>	<u>5187787</u>	February 1993	Skeen et al.	709/314
<input type="checkbox"/>	<u>5241580</u>	August 1993	Babson, III	379/15
<input type="checkbox"/>	<u>5291593</u>	March 1994	Abraham et al.	707/103
<input type="checkbox"/>	<u>5301270</u>	April 1994	Steinberg et al.	345/326
<input type="checkbox"/>	<u>5301320</u>	April 1994	McAttee et al.	395/650
<input type="checkbox"/>	<u>5313636</u>	May 1994	Noble et al.	707/1
<input type="checkbox"/>	<u>5414812</u>	May 1995	Filip et al.	707/103
<input type="checkbox"/>	<u>5434978</u>	July 1995	Dockter et al.	709/230
<input type="checkbox"/>	<u>5437038</u>	July 1995	Silberbauer et al.	395/700
<input type="checkbox"/>	<u>5457797</u>	October 1995	Butterworth et al.	709/302
<input type="checkbox"/>	<u>5463686</u>	October 1995	Lebourges	379/220
<input type="checkbox"/>	<u>5471629</u>	November 1995	Risch	707/201
<input type="checkbox"/>	<u>5475844</u>	December 1995	Shiramizu et al.	709/104
<input type="checkbox"/>	<u>5499371</u>	March 1996	Henninger et al.	717/2
<input type="checkbox"/>	<u>5560005</u>	September 1996	Hoover et al.	707/10
<input type="checkbox"/>	<u>5568644</u>	October 1996	Nelson et al.	395/741
<input type="checkbox"/>	<u>5581758</u>	December 1996	Burnett et al.	707/103
<input type="checkbox"/>	<u>5606664</u>	February 1997	Brown et al.	709/224
<input type="checkbox"/>	<u>5613155</u>	March 1997	Baldiga et al.	709/232
<input type="checkbox"/>	<u>5623418</u>	April 1997	Rostoker et al.	716/1
<input type="checkbox"/>	<u>5642511</u>	June 1997	Chow et al.	395/701
<input type="checkbox"/>	<u>5649139</u>	July 1997	Weinreb et al.	707/202
<input type="checkbox"/>	<u>5671386</u>	September 1997	Blair et al.	395/405
<input type="checkbox"/>	<u>5675748</u>	October 1997	Ross	395/284
<input type="checkbox"/>	<u>5677997</u>	October 1997	Talatik	706/45
<input type="checkbox"/>	<u>5680602</u>	October 1997	Bloem et al.	707/1
<input type="checkbox"/>	<u>5692107</u>	November 1997	Simoudis et al.	706/12
<input type="checkbox"/>	<u>5706506</u>	January 1998	Jensen et al.	707/103
<input type="checkbox"/>	<u>5708828</u>	January 1998	Coleman	395/785
<input type="checkbox"/>	<u>5710901</u>	January 1998	Srodghill et al.	345/339
<input type="checkbox"/>	<u>5715397</u>	February 1998	Ogawa et al.	395/200.18
<input type="checkbox"/>	<u>5721908</u>	February 1998	Lagarde et al.	395/610
<input type="checkbox"/>	<u>5724575</u>	March 1998	Hoover et al.	707/10
<input type="checkbox"/>	<u>5732218</u>	March 1998	Bland et al.	709/224
<input type="checkbox"/>	<u>5732263</u>	March 1998	Havens et al.	707/103
<input type="checkbox"/>	<u>5732270</u>	March 1998	Foody et al.	709/303
	<u>5737607</u>	April 1998	Hamilton et al.	395/701

<input type="checkbox"/>			
<input type="checkbox"/>	<u>5751965</u>	May 1998	Mayo et al.
<input type="checkbox"/>	<u>5758351</u>	May 1998	Gibson et al.
<input type="checkbox"/>	<u>5761513</u>	June 1998	Yellin et al.
<input type="checkbox"/>	<u>5764235</u>	June 1998	Hunt et al.
<input type="checkbox"/>	<u>5764955</u>	June 1998	Doolan
<input type="checkbox"/>	<u>5774660</u>	June 1998	Brendel et al.
<input type="checkbox"/>	<u>5778368</u>	July 1998	Hogan et al.
<input type="checkbox"/>	<u>5787413</u>	July 1998	Kauffman et al.
<input type="checkbox"/>	<u>5799310</u>	August 1998	Anderson et al.
<input type="checkbox"/>	<u>5867153</u>	February 1999	Grandcolas et al.
<input type="checkbox"/>	<u>5870742</u>	February 1999	Chang et al.
<input type="checkbox"/>	<u>5870746</u>	February 1999	Knutson et al.
<input type="checkbox"/>	<u>5872973</u>	February 1999	Mitchell et al.
<input type="checkbox"/>	<u>5873086</u>	February 1999	Fujii et al.
<input type="checkbox"/>	<u>5878408</u>	March 1999	Van Huben et al.
<input type="checkbox"/>	<u>5890133</u>	March 1999	Ernst
<input type="checkbox"/>	<u>5892909</u>	April 1999	Grasso et al.
<input type="checkbox"/>	<u>5896383</u>	April 1999	Wakeland
<input type="checkbox"/>	<u>5898870</u>	April 1999	Okuda et al.
<input type="checkbox"/>	<u>5905873</u>	May 1999	Hartmann et al.
<input type="checkbox"/>	<u>5905897</u>	May 1999	Chan et al.
<input type="checkbox"/>	<u>5907704</u>	May 1999	Gudmundson et al.
<input type="checkbox"/>	<u>5909540</u>	June 1999	Carter et al.
<input type="checkbox"/>	<u>5915115</u>	June 1999	Talati
<input type="checkbox"/>	<u>5918004</u>	June 1999	Anderson et al.
<input type="checkbox"/>	<u>5920703</u>	July 1999	Campbell et al.
<input type="checkbox"/>	<u>5933816</u>	August 1999	Zeannah et al.
<input type="checkbox"/>	<u>5940075</u>	August 1999	Mutschler, III et al.
<input type="checkbox"/>	<u>5940594</u>	August 1999	Ali et al.
<input type="checkbox"/>	<u>5946694</u>	August 1999	Copeland et al.
<input type="checkbox"/>	<u>5946697</u>	August 1999	Shen
<input type="checkbox"/>	<u>5953707</u>	September 1999	Huang et al.
<input type="checkbox"/>	<u>5958012</u>	September 1999	Battat et al.
<input type="checkbox"/>	<u>5960200</u>	September 1999	Eager et al.
<input type="checkbox"/>	<u>5966451</u>	October 1999	Utsumi
<input type="checkbox"/>	<u>5987247</u>	November 1999	Lau
<input type="checkbox"/>	<u>5987501</u>	November 1999	Hamilton et al.

<input type="checkbox"/>				
<input type="checkbox"/>	<u>5987514</u>	November 1999	Rangarajan	709/224
<input type="checkbox"/>	<u>5987633</u>	November 1999	Newman et al.	714/712
<input type="checkbox"/>	<u>5995753</u>	November 1999	Walker	717/2
<input type="checkbox"/>	<u>5995945</u>	November 1999	Notani et al.	705/28
<input type="checkbox"/>	<u>5999948</u>	December 1999	Nelson	
<input type="checkbox"/>	<u>5999972</u>	December 1999	Gish	709/203
<input type="checkbox"/>	<u>6006230</u>	December 1999	Ludwig et al.	707/10
<input type="checkbox"/>	<u>6016394</u>	January 2000	Walker	717/1
<input type="checkbox"/>	<u>6018743</u>	January 2000	Xu	707/103R
<input type="checkbox"/>	<u>6023722</u>	February 2000	Colyer	709/201
<input type="checkbox"/>	<u>6029174</u>	February 2000	Sprenger et al.	707/103
<input type="checkbox"/>	<u>6029177</u>	February 2000	Sadiq et al.	707/201
<input type="checkbox"/>	<u>6029196</u>	February 2000	Lenz	709/203
<input type="checkbox"/>	<u>6032153</u>	February 2000	Sadiq et al.	707/103
<input type="checkbox"/>	<u>6035303</u>	March 2000	Baer et al.	707/103
<input type="checkbox"/>	<u>6038598</u>	March 2000	Danneels	709/219
<input type="checkbox"/>	<u>6041365</u>	March 2000	Kleinerman	709/302
<input type="checkbox"/>	<u>6047357</u>	April 2000	Bannon et al.	711/122
<input type="checkbox"/>	<u>6052739</u>	April 2000	Bopardikar et al.	709/301
<input type="checkbox"/>	<u>6057856</u>	May 2000	Miyashita et al.	345/435
<input type="checkbox"/>	<u>6070191</u>	May 2000	Narendran et al.	709/226
<input type="checkbox"/>	<u>6078960</u>	June 2000	Ballard	709/229
<input type="checkbox"/>	<u>6081837</u>	June 2000	Stedman et al.	709/219
<input type="checkbox"/>	<u>6083276</u>	July 2000	Davidson et al.	717/1
<input type="checkbox"/>	<u>6085198</u>	July 2000	Skinner et al.	707/103
<input type="checkbox"/>	<u>6092118</u>	July 2000	Tsang	709/246
<input type="checkbox"/>	<u>6108703</u>	August 2000	Leighton et al.	709/226
<input type="checkbox"/>	<u>6115752</u>	September 2000	Chauhan	709/241
<input type="checkbox"/>	<u>6125359</u>	September 2000	Lautzenheiser et al.	706/60
<input type="checkbox"/>	<u>6128279</u>	October 2000	O'Neil et al.	370/229
<input type="checkbox"/>	<u>6141660</u>	October 2000	Bach et al.	345/352
<input type="checkbox"/>	<u>6141759</u>	October 2000	Braddy	713/201
<input type="checkbox"/>	<u>6144991</u>	November 2000	England	709/205
<input type="checkbox"/>	<u>6148335</u>	November 2000	Haggard et al.	709/224
<input type="checkbox"/>	<u>6148361</u>	November 2000	Carpenter et al.	710/260
<input type="checkbox"/>	<u>6154212</u>	November 2000	Eick et al.	345/356
	<u>6157940</u>	December 2000	Marullo et al.	709/22

<input type="checkbox"/>	<u>6182182</u>	January 2001	Bradley et al.	710/129
<input type="checkbox"/>	<u>6202099</u>	March 2001	Gillies et al.	709/317
<input type="checkbox"/>	<u>6223209</u>	April 2001	Watson	709/201
<input type="checkbox"/>	<u>6243392</u>	June 2001	Uemura et al.	370/465
<input type="checkbox"/>	<u>6243761</u>	June 2001	Mogul et al.	709/246
<input type="checkbox"/>	<u>6272556</u>	August 2001	Gish	709/315
<input type="checkbox"/>	<u>6321274</u>	November 2001	Shakib et al.	709/328

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0123456	January 2000	EP	100/100
WO92/01251	January 1992	WO	
WO 99/08208	February 1999	WO	
WO 99/44155	September 1999	WO	
PCT/US00/23885	August 2000	WO	
PCT/US00/23999	August 2000	WO	
PCT/US00/24082	August 2000	WO	
PCT/US00/24083	August 2000	WO	
PCT/US00/24084	August 2000	WO	
PCT/US00/24085	August 2000	WO	
PCT/US00/24086	August 2000	WO	
PCT/US00/24125	August 2000	WO	
PCT/US/00/24188	August 2000	WO	
PCT/US00/24189	August 2000	WO	
PCT/US00/24236	August 2000	WO	

## OTHER PUBLICATIONS

Kovalerchuk et al., comparison of relational methods and attribute-based methods for data mining in intelligent systems, proceedings of the 1999 IEEE, International Symposium on Intelligent Systems and Semiotics, Cambridge, MA, pp 162-166. Date Sep. 1999.

Kinexis. Object-orientation and Transaction Processing Where Do They Meet. OOPSLA Keynote, Oct. 6-11, 1991.

Lee et al. Path Dictionary: A New Access Method for Query Processing in Object-oriented Databases. IEEE Transactions on Knowledge and Data Engineering, v10, n3, May/Jun. 1998.

Buddrus et al. Enacting Authorization Models for Object-oriented Databases. Database and Expert Systems applications, Proceedings, Seventh International Workshop, Sep. 9-10, 1996, pp. 116-121.

Bertino et al. Trigger Inheritance and Overriding in an Active Object Database System. IEEE Transactions on Knowledge and Data Engineering, v12, n4. Jul./Aug., 2000.

ANSII Standard for the Programming Language C++, First Edition ISO/IEC 14882: 1998. Date Sep. 1998.

The Annotated C++ Reference Manual ANSII Base Document, M.A. Ellis and B. Stroustrup. Date Jul. 1990.

IBM Dictionary of Computing, pp. 140, 241, 299, 728.

Microsoft Corporation, Microsoft Solutions Framework Overview A Quick Tour of the MSF Models, URL: <http://channels.microsoft.com/enterprise/support/support/consult>, Viewed Oct. 9, 1999.

ART-UNIT: 2153

PRIMARY-EXAMINER: Lim; Krisna

ATTY-AGENT-FIRM: Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system, method, and article of manufacture are provided for efficiently retrieving data. A total amount of data required for an application executed by a client is determined. In a single call, the total amount of data from a server is requested over a network. All of the data is bundled into a data structure by the server in response to the single call. The bundled data structure is sent to the client over the network and the data of the data structure is cached on the client. The cached data of the data structure is used as needed during execution of the application on the client.

18 Claims, 195 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#) [Next Doc](#) [Go to Doc#](#)
 [Generate Collection](#) [Print](#)

L32: Entry 32 of 33

File: USPT

Dec 26, 2000

US-PAT-NO: 6167405

DOCUMENT-IDENTIFIER: US 6167405 A

TITLE: Method and apparatus for automatically populating a data warehouse system

DATE-ISSUED: December 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosensteel, Jr.; Kenneth R.	Phoenix	AZ		
Guhr; Jerry T	Phoenix	AZ		
Picone; Joseph K.	Phoenix	AZ		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Bull HN Information Systems Inc.	Billerica	MA			02

APPL-NO: 09/ 067101 [PALM]

DATE FILED: April 27, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/102

US-CL-CURRENT: 707/102

FIELD-OF-SEARCH: 707/6, 707/101, 707/102, 395/785

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

  

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5708828</u>	January 1998	Coleman	395/785
<input type="checkbox"/> <u>5870746</u>	February 1999	Knutson	707/101
<input type="checkbox"/> <u>5918232</u>	June 1999	Pouschine et al.	707/103

## OTHER PUBLICATIONS

"Data Warehousing An Introduction", by Grayce Booth, Groupe Bull Technical Update, Man/Jun. 1995, pp. 1-9, Copyright Jun. 1995.

"The Distributed Data Warehouse Solution", by Kirk Mosher and Ken Rosensteel,

Groupe Bull Technical Update, May/Jun. 1995, pp. 11-18 Copyright Jun. 1995.  
"Bull Warehouse Initiative", by Wayne W. Eckerson, Oct. 1996, Patricia Seybold  
Group, pp. 1-28, Copyright 1996.

ART-UNIT: 271

PRIMARY-EXAMINER: Amsbury; Wayne

ATTY-AGENT-FIRM: Driscoll; Faith F. Solakian; John S.

ABSTRACT:

A method and system for facilitating the creation of warehouse requests in a data warehouse system. During the design of the data warehouse tables, a repository tool is used for storing a number of new objects such as source and target databases, source and target tables and warehouse requests that are graphically defined and linked together by an administrator with the repository tool. The resulting visual design is so drawn so as to serve as input for each warehouse request to be generated. The administrator invokes a data replication component that operatively couples to the repository tool signaling that the warehouse request is to be implemented. The data replication component automatically creates the different subcomponents of the request by accessing various links stored by the repository tool and displays a visual representation of the subcomponents and their relationships to each other to the administrator. Thereafter, the replication component provides access to menu screens for enabling the administrator to visualize each of the subcomponents of the request and their properties for enabling modifications to be made to such subcomponents for completing configuration of all request subcomponents. Subsequently, the warehouse request can be scheduled to execute and populate the warehouse tables.

35 Claims, 13 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#) [Next Doc](#) [Go to Doc#](#)

End of Result Set

 [Generate Collection](#) | [Print](#)

L32: Entry 33 of 33

File: USPT

Sep 7, 1999

US-PAT-NO: 5950190

DOCUMENT-IDENTIFIER: US 5950190 A

TITLE: Dynamic, self-modifying graphical user interface for relational database applications

DATE-ISSUED: September 7, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yeager; Carolyn Marie	Colorado Springs	CO		
Udy; Jerry Lynn	Colorado Springs	CO		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Aptek, Inc.	Colorado Springs	CO			02

APPL-NO: 08/ 854928 [PALM]

DATE FILED: May 13, 1997

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/3; 707/511, 707/103

US-CL-CURRENT: 707/3; 715/511

FIELD-OF-SEARCH: 707/4

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

  

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#">5428737</a>	June 1995	Li et al.	707/4
<input type="checkbox"/> <a href="#">5428776</a>	June 1995	Rothfield	707/4
<input type="checkbox"/> <a href="#">5555403</a>	September 1996	Cambot et al.	707/4
<input type="checkbox"/> <a href="#">5732274</a>	March 1998	O'Neill	395/705
<input type="checkbox"/> <a href="#">5745896</a>	April 1998	Vijaykumar	707/100
<input type="checkbox"/> <a href="#">5749079</a>	May 1998	Yong et al.	707/100

<input type="checkbox"/>	<u>5832481</u>	November 1998	Sheffield	707/4
<input type="checkbox"/>	<u>5893125</u>	April 1999	Shostak	707/511
<input type="checkbox"/>	<u>5899997</u>	May 1999	Ellacott	707/103

## OTHER PUBLICATIONS

Chapter 12, "Implementing Dynamic SQL Method 4", from Oracle Programmers Guide, Release 2.1; Mar. 1995; Part No. A21020-2.

ART-UNIT: 271

PRIMARY-EXAMINER: Amsbury; Wayne

ATTY-AGENT-FIRM: Ley; John R.

ABSTRACT:

A dynamic database interface for relational and object-oriented databases includes a dynamic, self-modifying graphical user interface defining a plurality of graphical windows for searching and editing the contents of the relational database, as well as modifying the structure of the database tables. The graphical user interface recognizes modifications to the structure of the database tables and regenerates the graphical windows to accommodate such modifications. The graphical windows also depict schematic representations of physical locations of objects stored within the tables of the relational database. In addition to using the graphical windows to edit the contents and modify the structure of the relational database, batches of data may be imported to both edit the contents of the relational database and modify the structure of the relational database tables.

26 Claims, 21 Drawing figures

[Previous Doc](#)    [Next Doc](#)    [Go to Doc#](#)